

WN-36
21May71

UNIVERSITY OF QUEENSLAND
Computer Centre

WEEKLY NEWSLETTER

Date : Week ended 20 May 1971

Authorization : Director of the Computer Centre

1. OPERATIONS

1.1 PDP-10 System

Friday 14 May Accounting system adjustment and update, 0935-1010.
System off-line, 1100-1109, while teletype controller
reloaded.
System failure, 1145-1157
Investigation of disk error, Batch off-line, 1445-1508.
System failure, transferred files from disk to magnetic
tape, 1809-1949.
System failure, 1959-2137.

Monday	17 May	Accounting system adjustment, 0940-0958. System development, 1707-1909.
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Tuesday 18 May Accounting system recovery, 0937-1105.
Loaded new system files, 1140-1145.

Wednesday 19 May Accounting system recovery, 0920-0945.
System development tests, 2245-2400.

Thursday 20 May Accounting file reconciliation, 0918-0924.
System development tests 2330-2400.

Schedule for forthcoming week: Maintenance 0700-0930
Operations 1000-2245

The machine will be required for Systems Development work for one evening this coming week. Users should check with the System Status Service as to which evening is involved.

3. PDP-10 FORTRAN COMPILER ERROR

In some cases mixed mode arithmetic expressions do not compile correctly. In particular, the following expression,

$$D=S*D/(2*I-1)$$

where D and S are double precision and I is an integer, is known not to create proper code.

It is worth noting that the U.S.A. Standard FORTRAN specifications do not permit mixed mode expressions, and while several compilers do permit them, it is neither desirable nor necessary to make use of this facility.